SHOSTAKUVSKIY, M. G.

USSR/Chemistry - Vinyl Alkyl Esters

Chemistry - Hydrolysis, of Vinyl Alkyl Esters

Sep 48

"Hydrolysis of Vinyl Alkyl Esters in Aqueous Dioxane Solution," Ye. N. Prilezhayeva, E. S. Shapiro, M. F. Shostakovskiy, Inst Org Chem, Acad Sci USSR, 11 pp

"Zhur Obshch Khimii" Vol XVIII, No 9

Tabulated data shows that rate of hydrolysis of vinyl butyl and vinyl ethyl esters and of dibutylacetal by hydrochloric acid decreases with increased content of dioxane in water used a as solvent. Discusses mechanism of this reaction. Submitted 21 Jun 47.

PA 30/49 T10

SHOSTAKOVSKII, M. F.

E. N. Prilezhaeva, E. S. Shapiro, M. F. Shostakovskii, Hydrolysis of vinyl-alkyl ethers in water-dioxane solutions. p. 1663

The hydrolysis rate of hydrochloric acid in water-dioxane solutions was measured: Vinyl-butyl ether, vinyl-ethyl ether and di-butyl-acetal were found. It is shown that the rate of hydrolysis drops from water to water-dioxane solutions. An hypothesis was examined which explains the mechanism of hydrolysis of vinyl ethers and a reaction scheme is given which takes into account the interaction of the hydronium ion with etheroxygen as well as with the $\widehat{\beta}$ -carbon atom.

Institute of Organic Chemistry Acad. of Sci. USSR June 21, 1947

SO: Journal of General Chemistry (USSR) 28, (80) No. 9 (1948)

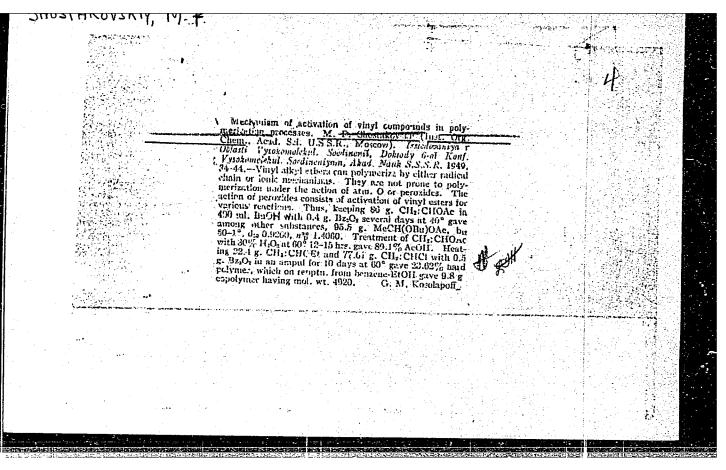
SHOSTAKOVSKII, M. F.

N.A. Gershtein and M.F. Shostakovskii, To the transformations of simple vinyl ethers. III. Interaction of simple vinyl ethers and organic acids. p. 1989.

The reaction of simple vinyl ethers and organic acids in the absence of a catalyst was studied. It is shown that the organic acids of the aliphatic series attach themselves to the simple vinyl ethers at room temperature but to complete the reaction a longer time is needed. A new method of synthesis of alkoxy-derivatives of complex ethers (acylales) with a yield of 90 percent and more is established.

Inst. of Organic Chemistry Academy of Sciences, USSR Lab of Vinyl Compounds December 1, 1947

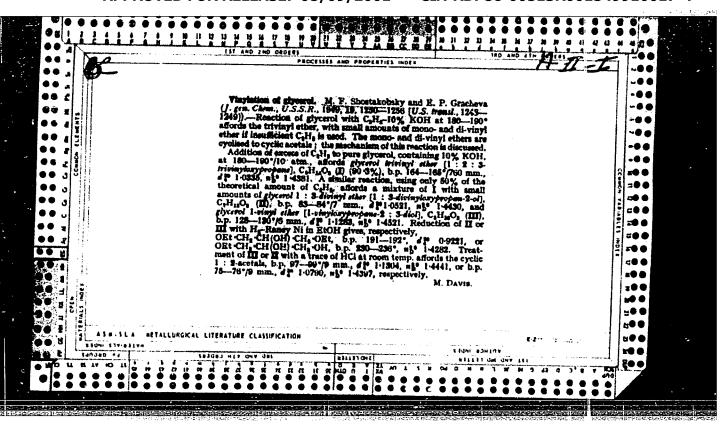
SO: Journal of General Chemistry (USSR) 28, (80) No. 11, 1948



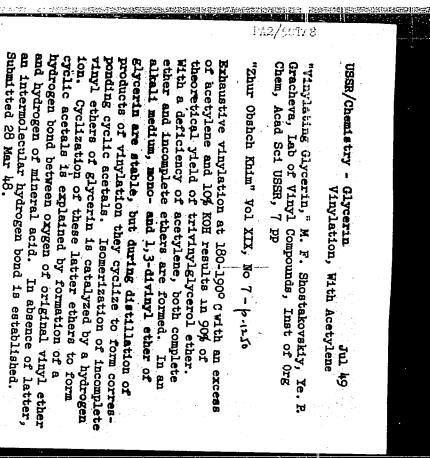
USSR/Chemistry - Vinyl Ethers Mar/Apr 49
Chemistry - Chlorohydrins

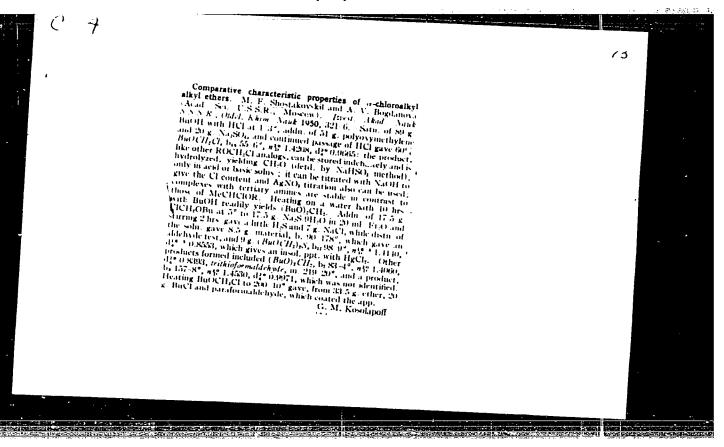
"Interaction of Vinylalky Ethers and Halohydrins,"
M. F. Shostakovskiy, N. A. Gershteyn, A. K. Gorban',
Inst of Org Chem, Acad Sci USSR, 8 pp

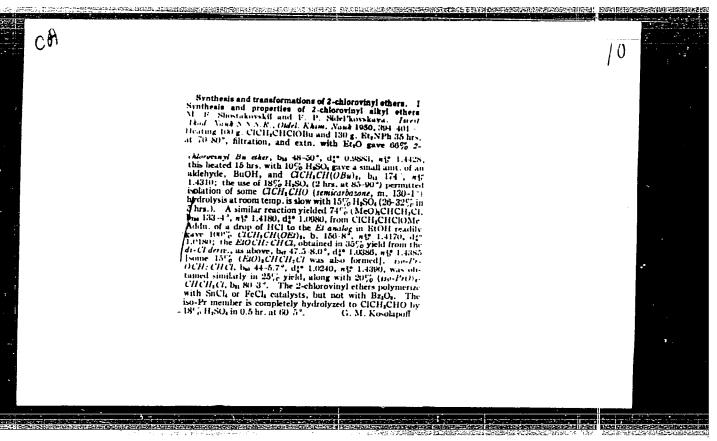
"I2 Ak Nauk SSSR; Codel Khim Nauk" No 2
Studies reaction of vinylethyl and vinylbutyl ethers
with ethylene chlorohydrin. Chlorine derivatives
of the corresponding acetals were obtained. Submitted 16 Apr 48.



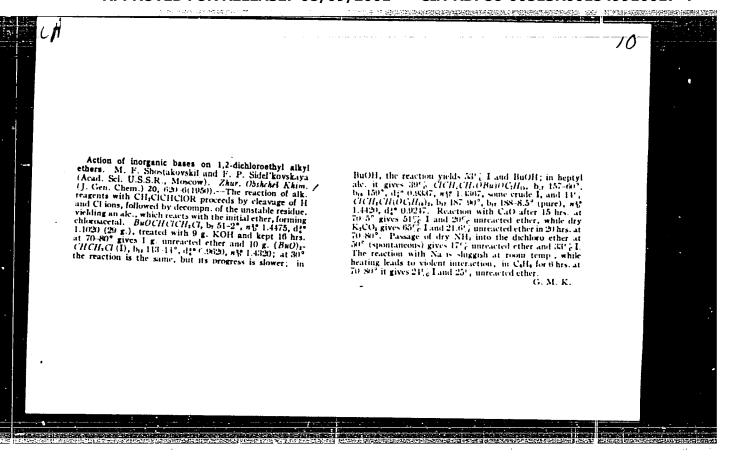
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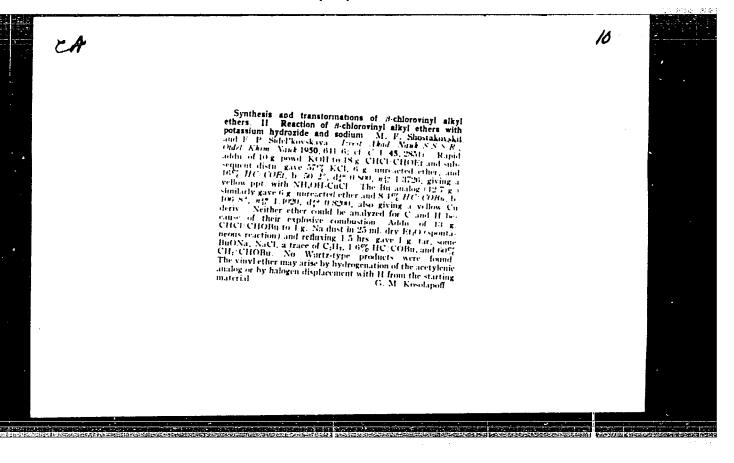


Theoretical bases of chemistry of vinyl ethers. M. F. Shosta-kovsku (Acad. Sci. U. SS. R., Moscow). Zhir. Oblinkirl. Advan. (1). Gen. Chem. J. 20, 088-19(1050).—The chem. planed by reongustom of acres are reviewed and are explained by reongustom of acres are reviewed and are explained by reongustom in a constant reviewed and are explained by reongustom is not exhibit tautomerum involving a CH, CHOHK) R structure and their reactions involve the mesometric ion, McCH. OR—McCH.-OR. Vinyl ethers are polymerized by mineral axis in contrast in CH; CHOMe, CH; CHCI, styrene, axis in contrast in CH; CHOMe, CH; CHCI, styrene, axis in contrast in CH; CHOMe, CH; CHCI, styrene, axis in contrast in CH; CHOMe, CH; CHCI, styrene, axis in contrast in CH; CHOMe, CH; CHCI, styrene, axis in contrast in CH; CHOMe, CH; CHCI, styrene, axis in contrast in CH; CHOMe, CH; CHCI, styrene, axis in contrast in CH; CHOMe, chci, styrene, axis in chci, styrene,



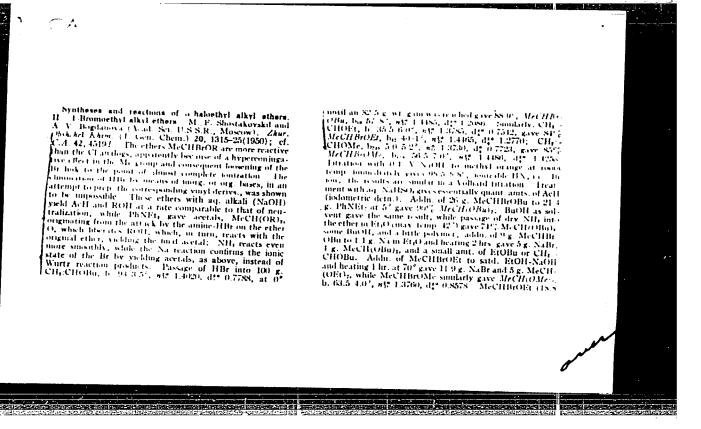
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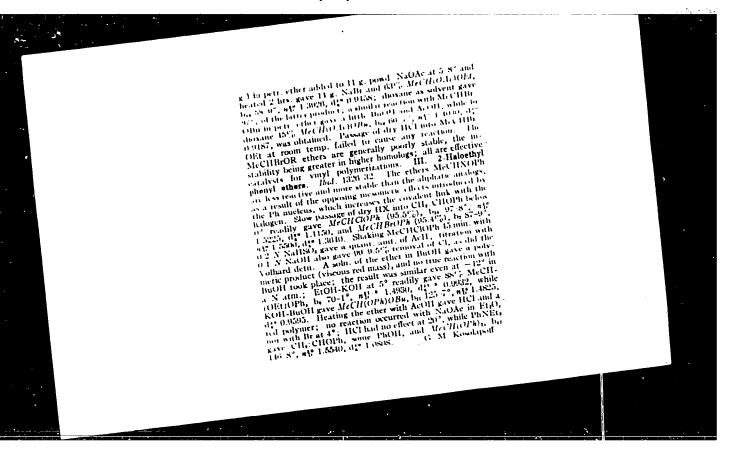
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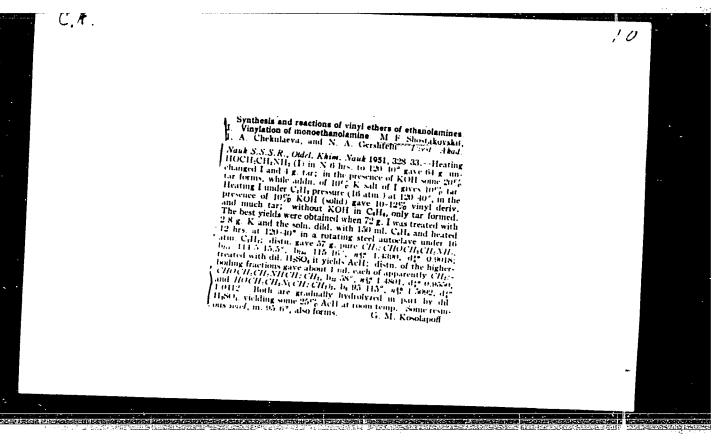




SHCSTAKOVSKII, M. F.

"Studies in the field of synthesis and transformations of a-haloethers. III. a-Haloethyl phenyl ethers." M. F. Shostakovskii and A. V. Bogdanova. (p. 1326)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1950, Vol 20, No. 7.



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SHOSTAKOVSKIY, M. F.

USSR/Chemistry - Organic Sulfur Compounds

Jul/Aug 51

"Synthesis of Sulfur-Containing Compounds Based on Simple Vinyl Ethers and Acetylene. Communication 2. Synthesis of B, B' - and A, B Dialk-oxydiethylsulfides, "Ye. N. Prilezhayeva, E. S. Shapiro, M. F. Shostakovskiy, Inst of Org Chem, Acad Sci USSR

"Iz Ak Nauk SSSR, Otdel Khim Nauk" No 4, pp 438-447

Found conditions for synthesis of OC.B -and B, B'-dialkoxydiethylsulfides from si ple vinyl ethers and H.S. Mixts of isomeric sulfides were analyzed and purity of products detd by method, discovered by present authors, of titration based on decomposed and sulfides in presence of Hell decompn of above sulfides in presence of HgCl2.

PA 192T23

1953. Unclassified. Monthly List of Russian Accessions, Library of Congress,

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SHOSTAKOVSKIY, M. F.

WSSR/Chemistry - Organic Sulfur compounds

Sep/Oct 51

"Synthesis of Sulfur Compounds on the Base of Vinyl Ethers and Acetylene. Communication 3. Certain Properties of α , β and β , β -Dialkoxydiethylsulfides," Ye. N. Prilezhayeva, E. S. Shapiro, M. F. Shostakovskiy, Inst of Org Chem, Acad Sci USSR

"Iz Ak Nauk SSSR, Otdel Khim Nauk" No 5, pp 560-567

Studied some characteristic reactions of α , β and β , β' dialkoxydiethylsulfides. Comparison of chem reactions of α , α' , α' , α' , and β , β' dialkoxydiethylsulfides showed that introduction of alkoxyl at C atom which is in a -position with respect to S atom causes compd to react in manner different from that characteristic for dialkylsulfides, which is particularly expressed in decreased ability to form stable complex compds with Hg salts and increased tendency toward characteristic decompn reaction. Discusses causes of this behavior.

PA 195T14

"APPROVED FOR RELEASE: 08/09/2001

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SHOSTAKOVSKIY, M. F.

USSR/Chemistry - Organic Sulfur Compounds

Sep/Oct 51

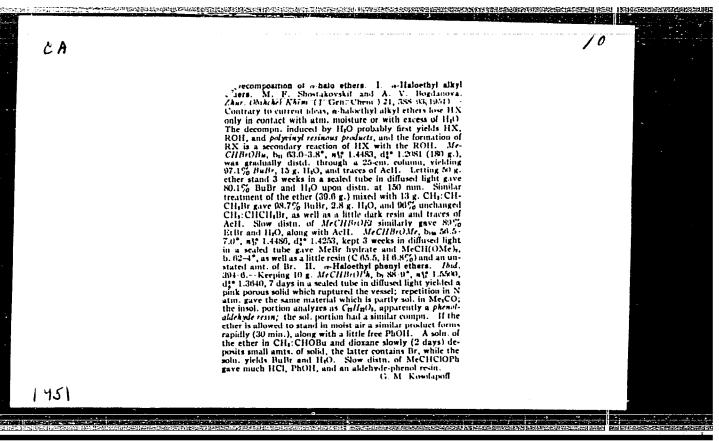
"Synthesis of Sulfur Compounds on the Basis of Acetylene and Vinyl Ethers. Communication 4. Synthesis of Trithioacetaldehyde," Ye. N. Prilezhayeva, E. S. Shapiro, M. F. Shostakovskiy, Inst of Org Chem, Acad Sci USSR

"Iz Ak Nauk SSSR, Otdel Khim Nauk" No 5, pp 568-570

By action of H_2S on vinyl ethers in presence of high concns of HCl, prepd with good yield cyclic trimer of thioacetaldehyde and corresponding alc. Reaction proceeds through intermediate formation of \propto -chloroethylalkyl ethers and \propto -alkoxyethyl-mercaptans and decompn of latter in acid medium.

PA 195T15

SHOSTAKOVSKIY, M. PA 195T30	. <u>I.C</u> 195130	Hydroxylamine sulfate gives unsatisfactory quant detn since it does not cause total oximation. Indometric method gives satisfactory results for mixts contg any ratio of ether to alc.	USSR/Chemistry - Vinyl Ethers Nov/Dec 51 (Contd)	LC 195T30	On basis of vinylpropyl and vinylisopropyl ethers, worked out methods for quant detn of vinyl ethers. Hydrolytic eximation of ether in presence of hydroxylamine chloride yields good results if ether contains < 20% alc. Greater % of alc results in lengthy procedure and incomplete detn.	"Zhur Analit Khim" Vol VI, No 6, pp 348-352	ds for Quantitative Determinatis, M. F. Shostakovskiy, Ye. N. N. I. Uvarov, Inst of Org Chem,	USSR/Chemistry - Vinyl Ethers Nov/Dec 51	
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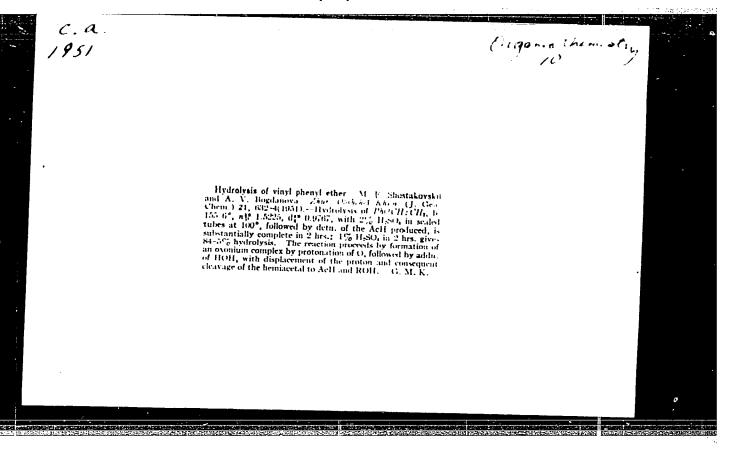
SHOC MINIVERIT, H. F.

"The decomposition of a-hole ethers. II. a-Halcethyl phenylethers." by <u>K. F. Shoctahovskii</u> and A. V. Boydmova. (p.394)

SO: Journal of General Chemistry (Zhurnal Obshchoi Khimii) 1951, Volume 21, No.2

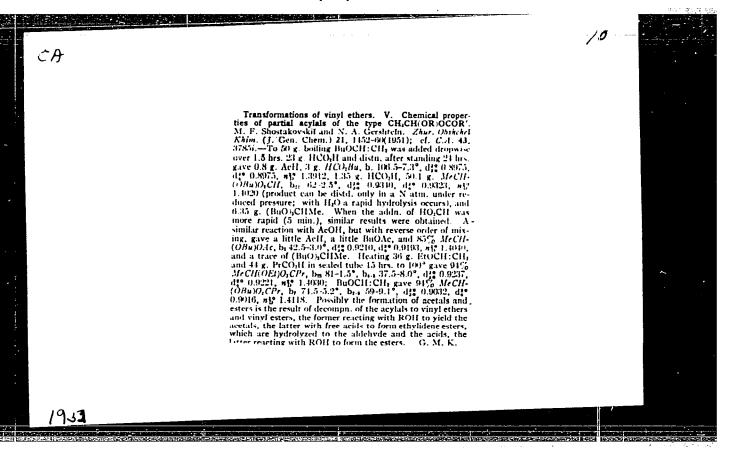
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SHOSTAKOVSKIY, M. F.	USSR/Chemistry - Vinyl Compounds "Conversions of Simple Vinyl Ethers. VI. Chemical Properties of Incomplete Acylals of the Type CH3CH "M. F. Shostakovskiy, N. A. Gershteyn, Lab Vinyl Compds; Inst Org Chem, Acad Sci USSR "Zhur Obshch Khim" Vol XXI, No 9, pp 1602-1610 Investigation of interaction of incomplete acylals (CH3CHOR) with alcs ROH showed that products are esters (R1COOR) and acetals (CH3CH(OR)2). Interaction of incomplete acylals (CH3CH(OR)2). Interaction of incomplete acylals uith org acids R1COOH yielded esters and complete acylals (CH3CH(COR1)2), which were hydrolyzed under specified conditions. Proposes reaction mechanisms.	

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SHOSTAKOVSKIY, M. F.		•		1911739	
	USSR/Chemistry - Chloro Derivatives of Sep 51 Ethers (Contd) CLB -dichloroethylalkyl ethers. Further chlorina- tion yielded CLB, B-trichloroethylalkyl ethers, which were isolated and characterized. All products are easily hydrolyzed. CL, B-dichloro ethers can be detd by titration with AgNO3 or NaOH.	"Zhur Obshch Khim" Vol XXI, No 9, pp 1610-1617 Improved method for prepn of Q, B -dichloroethylbutyl ether, described previously, with yield of 71% of theoretical. By addn of Cl to vinylmethyl, vinylethyl, vinylethyl, vinylethyl, vinylsethyl, vinylisopropyl ethers, prepd corresponding 191739	"Synthesis of α , β -Dichioroethylalkyl Ethers and Their Conversions. II. Synthesis of α , β -Dichloroethylmethyl, α , β -Dichlorodiethyl, and α , β -Dichloroethylisopropyl Ethers," M. F. Shostakovskiy, F. P. Sidel'kovskaya, Lab Vinyl Compds, Inst Org Chem, Acad Sci USSR	USSR/Chemistry - Chloro Derivatives of Ethers	
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SHESTAROVCKIY, M. 1.

TOUR/Chariates - Virgl Concerns

Oct 51.

"Spections and Proceeding of Vinyle thy Taber," N. Y. Soctakovskiy, P. V. Tjerryev, Lake C Vin & Cored , In the Cry Chan, Leve Lai 1988.

"Zhur Obel ch Khim" B 1 XXI, No 10, pp 1830-1836.

Options conditions for soft vimilation of MaOH using OpH2 not dissolved in inert gas was found to obtain in subclave at 1500 C. Pressure, depending an initial pressure of C2H 2 and mostly on alc-ether ratio in reaction mixt, sometimes reached 55-60 atm. Established methods for purification of vinylmethyl ether, detd its consts, introducing corrections into literature data.

PA 192T31

SMOSTAKOVSKTY M. F.		H. 194T61	
194T61	USSR/Chemistry - Chloroacetaldehyde Dec 51 (Contd) corresponding acetals of chloroacetaldehyde. Addn of Cl to vinylethyl ether in presence of excess BuOH yielded dibutylchloroacetal (yield 50% of theoretical). Proposes reaction mechanisms.	"Zhur Obshch Khim" Vol XXI, No 12, pp 2163-2170 Worked out synthesis of acetals of chloroace- taldehyde (useful in synthesis of physiologically active smino- and betainoaldehydes and other substances) by action of alcs or alcoholates on α, β-dichloroethylalkyl ethers. Yields run as high as 90% of theoretical. Addn of Cl to vinyl ethers in presence of analogous alcs yielded 194761	roacetaldehyde of Chloroacetaldel
	next mat no ence come process carbonics.		च जिल्लासम्बद्धाः क्रिकेट क्रि

الله والمساورة المساورة المسا		183.137	S# 30 2000
1 በ የመደን	USSR/Chemistry - Polymerization (Contd) May 51 alcs, phenois; II was not polymerized or added to, but was oxidizable under these conditions. Copolymer of I and II was formed through action of H2O2, confirming concept of free radical mech.	"Processes for the Conversion of the Nitrile of Acrylic Acid and w-Methyl-Styrene in the Presence of Hydrogen Peroxide," M. F. Shostakovskiy, A. V. Bogdanova, Lab Vinyl Compds, Inst Org Chem, Acad Sci USSR "Zbur Prik Khim" Vol XXIV, No 5, pp 495-501 Examd processes of conversion of acryl-nitrile (I) and acmethyl-styrene (II) through addn of H2O, alcs, phenols due to action of H2O2. I polymerized easily, did not interact with H2O,	
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The transformations of acrylonitrile and a methylstyrene in the presence of hydrogen peroxide. M. I. Shortakovskii and A. V. Bogdanova. J. Applied Chem. 11-8548-24.

511 8(1951 - Ungl. translation). See C. J. 40, 1961f.

B. R.

SHOSTAHOVSKII, M.F.

PA 190Thl

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549910017-

USSR/Chemistry - Plastics

Oct 51

"The Viscosity Properties of Vinyl Alkyl Ether Polymers," M. F. Shostakovskiy, B. V. Deryagin, I. F. Bogdanov, N. N. Zakhavayeva, Inst Org Chem and Inst Phys Chem, Acad Sci USSR

"Zhur Prik Khim" Vol XXIV, No 10, pp 1063-1070

Polymers of vinyl alkyl ethers have very favorable temp viscosity curve (index of viscosity). A 2% soln of these polymers strongly reduces metal corrosion.

SHOSTAKOVSKIY, M.F.

PHASE I

TREASURE ISLAND BIBLIOGRAPHIC REPORT

AID 174 - I

BOOK

Call No.: QD341.E7S5

Author: SHOSTAKOVSKIY, M. F.

Full Title: VINYL ETHERS

Transliterated Title: Prostyye vinilovyye efiry

Publishing Data

Originating Agency: Academy of Sciences of the U.S.S.R. Institute of

Organic Chemistry

Publishing House: Academy of Sciences, U.S.S.R.

Date: 1952 No. pp.: 280

No. of copies: 2,000

Editorial Staff

Editor: Kolesnikov, G. S.

Tech. Ed.: None

Appraiser: None

Editor-in-Chief: Petrov, A. D., Cor. Member Acad. of Sciences, U.S.S.R.

Others: Names of many Soviet scientists are mentioned in connection with

the bibliographic documentation.

Text Data

Coverage:

A survey of basic work done on the synthesis of vinyl ethers is given. The physical and chemical properties of the ethers, their

reactions with alcohols, phenols, and acids are described. Hydrolysis, polymerization, and analysis of vinyl ethers are

covered thoroughly. (Tables, charts)

1/2

Prostyye vinilovyye efiry

AID 174 - I

The book might be of interest because of the importance of vinyl ethers to modern industry

ethers to modern industry.

Purpose: The purpose of the author was to set forth the discovery of the reaction of vinylation, the application of this reaction in the chemical industry, and the contributions of Soviet scientists to

the chemistry of vinyl ethers.

Facilities: None

No. of Russian and Slavic References: 270; Foreign: 275 (1856-1951) Available: Library of Congress.

2/2

Role of peroxides in processes of polymerization of Rubber Abst. 4987. vinyl compounds. M. F. SHOSTAKOVSKII, V. P. SHISHIKOV, Vol. 31 and V. A. NETERMAN: Khim. i. Fiz Khim. Vysokomolekul. Dec. 1953 Soedinenii, Doklady 7-oi Konf. Vysokomolekul. Soedineniyam Synthetic Rubber 1952, 28-34; Chem. Abs., 1953, 47, 7819. Three general and Like Products classes of vinyl monomers are distinguished according to the mechansim of their polymerisation. The action of benzoyl peroxide is discussed, and the relation between activity of monomer, copolymer activity, and the polymerisation reaction described. Various experiments on the action of benzoyl peroxide were carried out. Examples relate to methacrylates, vinyl esters, vinyl chloride, and the like, in solution or . 3512 emulsion.

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Chemical Abst. Vol. 48 No. 9 May 10, 1954 Organic Chemistry	. •	Synthesis and saturated carbon N. A. Gershtell Buil. Acad. Sci	properties of 1-al kylic scids (acyleis) 1. Ya. L. Raskin, 1. U.S.S.R., Div. 1. On).—See C.A. 47,	kozysthyl estera (M. P. Shostako and L. B. Ostrout Chem. Sci. 1952,	of un- vyskii, nova. 453-8
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Chemical Abst.

Vol. 48 No. 9

May 10, 1954

Organic Chemistry

Synthesis of sulfur compounds based on vinvi ethers. V.
Some new representatives of the series app and p.p.
dalkoxydisthy sulfaces. E. N. Pricetara va. E. Shapiro.
and M. E. Shortakovskii. Ball. Acad. Series. Ser.
C.1. 47, 4840g.

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14. L. Shortakovskii. Ball. Acad. Series. Ser.
C.1. 47, 4840g.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Organic Chemistry

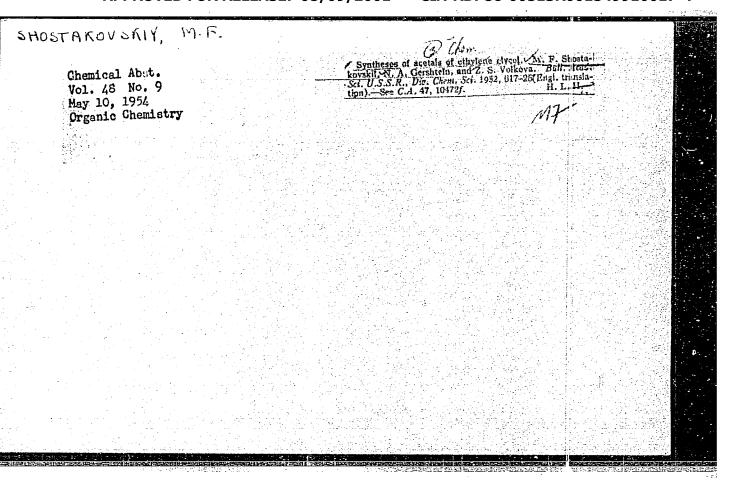
Synthesis of the fury charge of higher alighance alcohols.

A. F. Shostalovskil B. I. Mikhantev, and A. A. Neterman.

Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci. 1993,

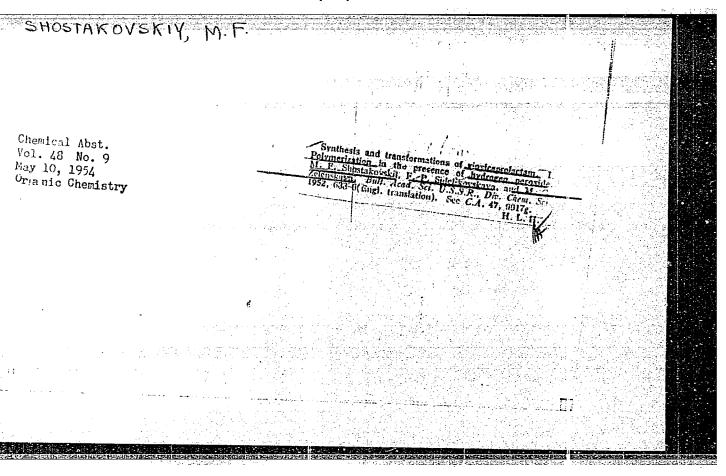
465-7(Engl. translation)—See C.A. 47, 37894.

H. T. H.



				Synthesis and po	wmeritation or vinyleans. A. Medzykhovskava, ar d. Sci. U.S.S.R., Dir. d. Sci. U.S. See C.A. 47,	olactam M.P. Id M. E. Zelen- Chem. Sci. 1952,
Chemical Abst Vol. 48 No. 9 May 10, 1954	Chemical Abst Vol. 48 No. 9 May 10, 1954 Organic Chemistry	stry		skava. Bull. Acad 627-32 (Engl. tran	slation). See C.A. 47,	M. L. H.
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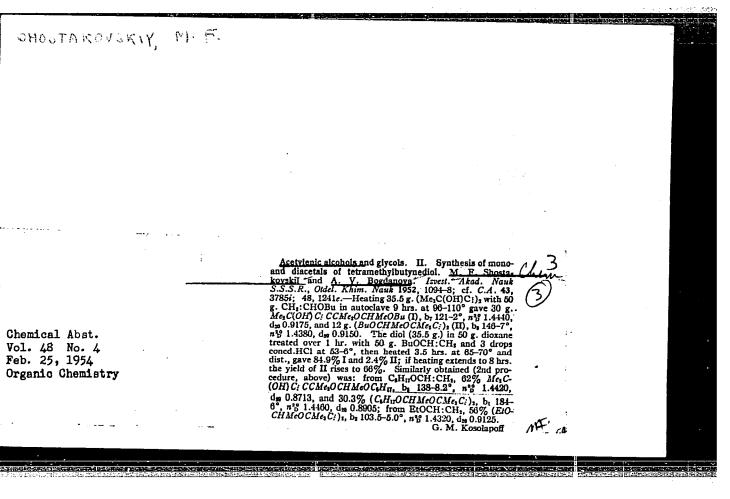
SHOSTAKOVSKIY, M.F.; GERSHTEYN, N.A.; VOLKOVA, Z.S.

Synthesis of acetals of ethylene glycol. Izvest. Akad. Nauk S.S.S.R., Otdel.

Khim. Nauk '52, 671-81. (CA 47 no.20:10472 '53)

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	Chemical Abst. Vol. 48 No. 9	 / Indirect kovskiř, M Acad. Sci translation	vinviation of I. Mikhant' U.S.S.R., 1	f aliphatic Ale ev, and M. N Div. Chem. S 148, 1242c.	ohols./M.) Ovehinniko ci. 1952, 959	7. Shosta- ra. Bull. -62 (Engl. . L. H.	-	
171	May 10, 1954 Organic Chemistry		} 		pr /		,	٠

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<u>like kandenii, m. V.; Siekiikaikii , i.e.; Simiffickii, N. A.</u>

Ladino: Chanela

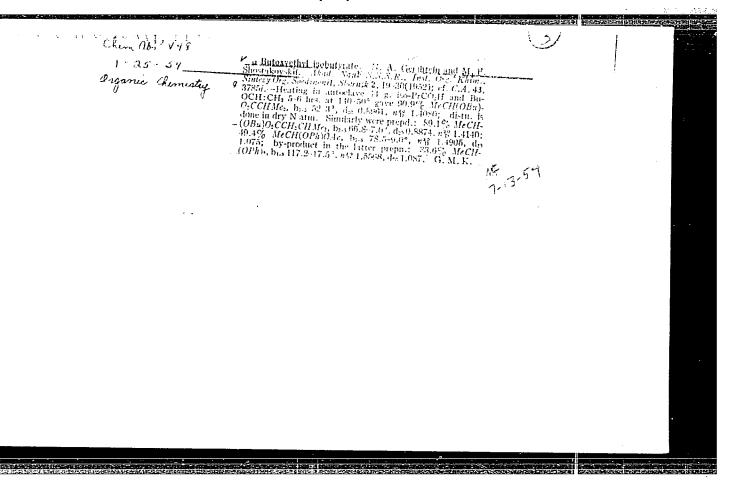
Tynthesis and transformations of vinyl atherw of enincathanols. Fort ? Synthesis of aninoscetcls M. F. Thostakovskiy, I. A. Chahyleyava, M. A. Gershtayn. Izv. AN SSTR. Old. Mis. neuk Mo. 1, 1952.

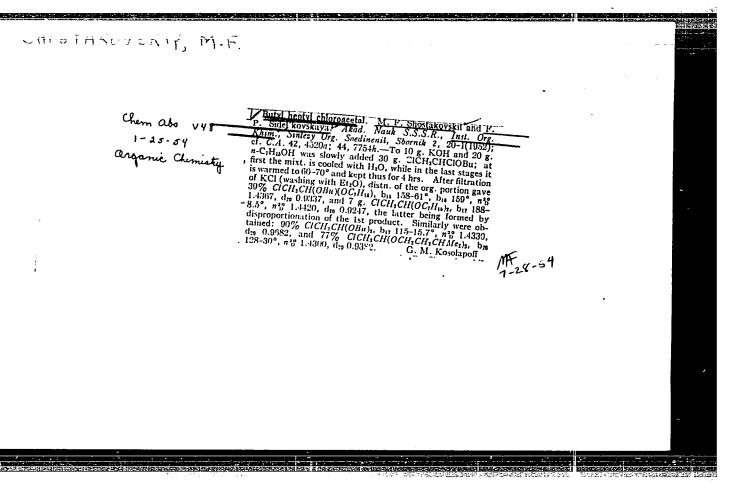
Monthly List of Mussian Accessions, Library of Congress, September, 1952. UNCLASSIFIED.

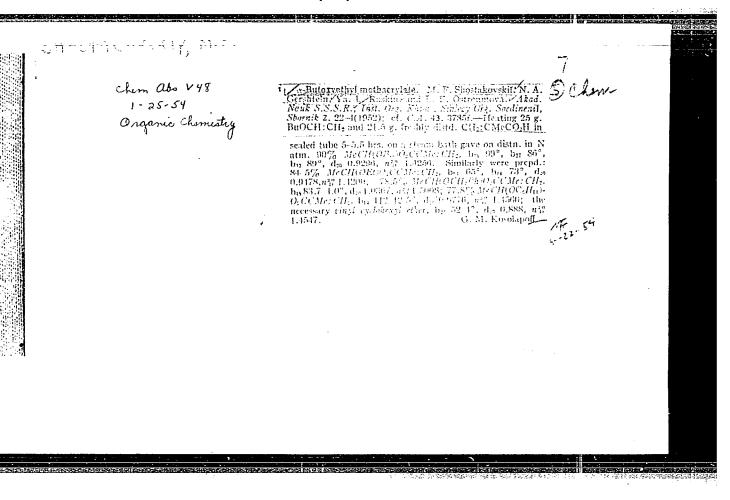
Aminoethyl isononyl acetal M. F. Shortaroviel

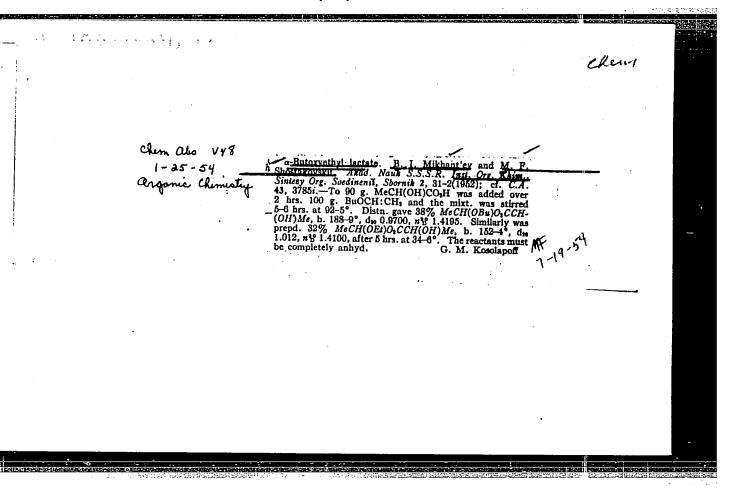
A. Chekulaevar and N. A. Cershiela. And Mank
Stand. Int. Org. Khim. States Org. Socianoni,
cooled autocome in the properties of the secondary amine to 40%.

C. M. Kosolapoff









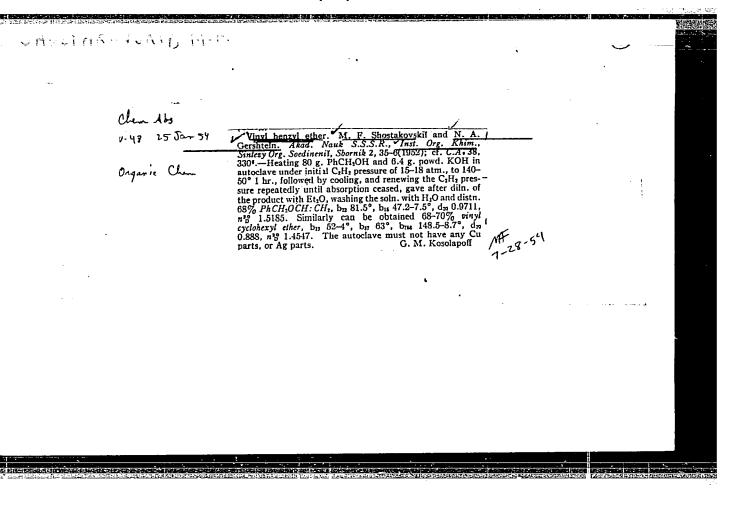
Chem also v48
1-25-59

Organic Chimisky

18th, One Khim., Sinicry Org. Sadiment, Shornit 2, 33-4
(1932): 4t. Ca. 38, 330"-10-72; HOCH, CH, Nith was placed into an attested to 120-100 the CH, pressure was again restored and the mixt. was broaded, 53 % and the color and restored the calculant. It is consumed. Disting the pure 58% HNCH, CH, OCH; CH, ordice, b. 110-20°, which was product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product, 53 % in the colod and redisting the pure product of the children of the pure product of the children of the ch

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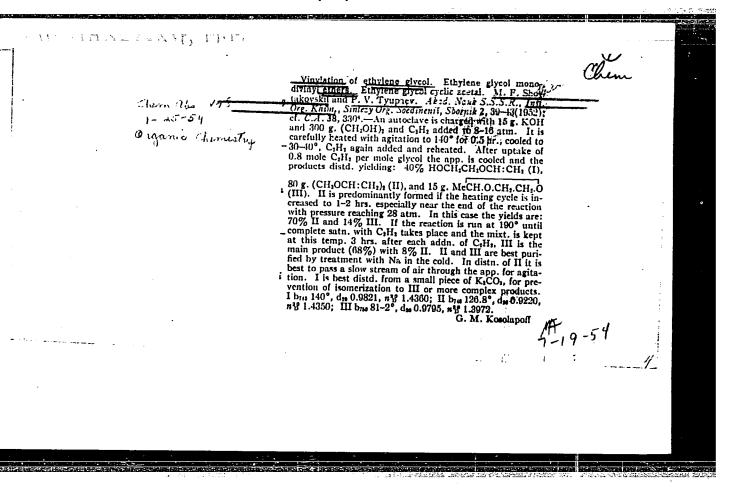


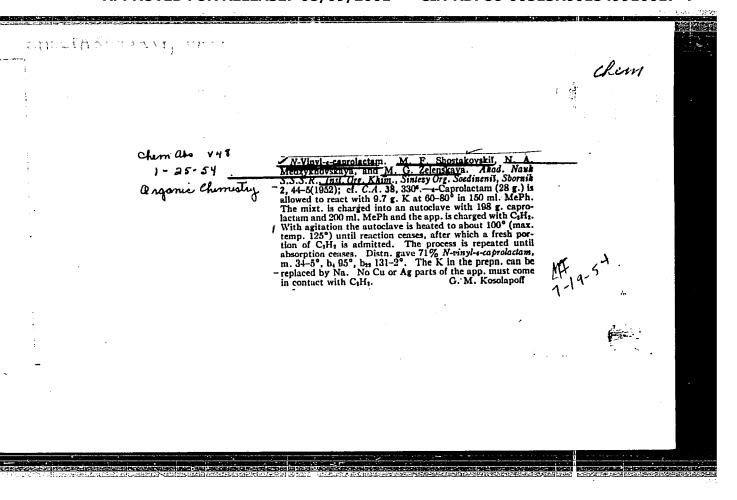
SHESTAKOJUALY,	Г). Г			
	Chem Abs			- ,
	1.48 25 Jan 54	Vinvi gualacyl ether. M. P. Shostakovskij, V. P. Shishkov, and M. G. Zelenslava. Akad. Naur S.S.S.R., Inst. Org. Khim., Sintezy Org. Socdinenti, Sbornik 2, 37-8 (1952); cf. C.A. 38, 3307.—To an autoclave with 400 g. gualaced, 41 g. K.Oli, and 41 inl. High is added C.H. 10 h-18 atim., the vessel heated with agilathm to 181-207 intil C.H. absorption ceases. C.H. is again admitted and the process repeated until the reaction stops. After steam distn. the product is redistd. yielding 62% o-McOCH. C.H., bio 112-13°, do 1.0048, n.y. 1.5350. If H ₁ O is omitted, the yield drops and tars are formed. The app. must not contain Cu or Ag parts in contact with C.H		•
:	t the second	G. M. Kosolapoff	N 154	
				a.e. 32 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

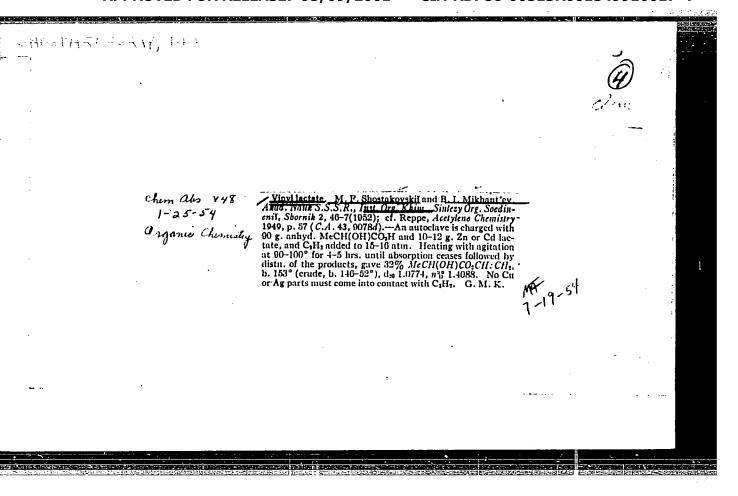
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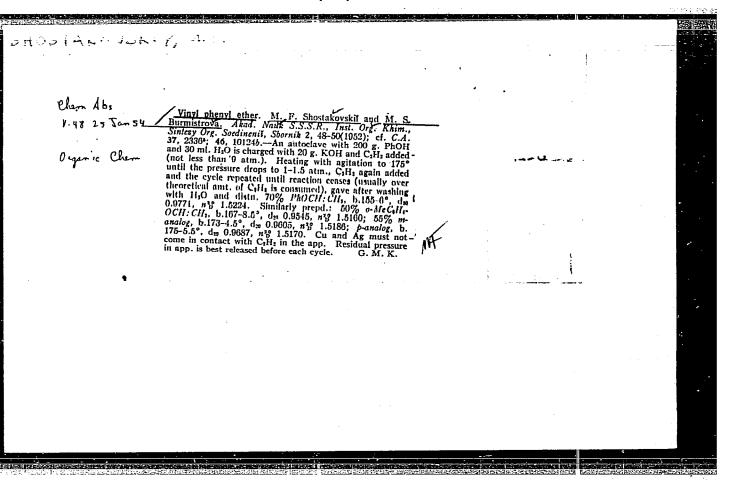


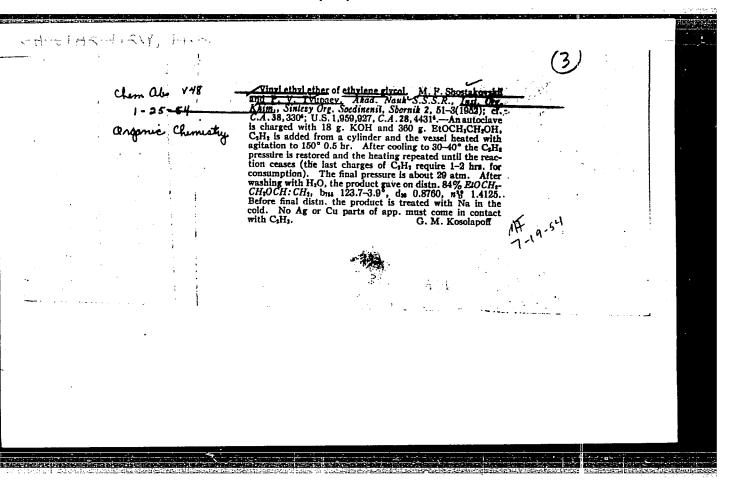




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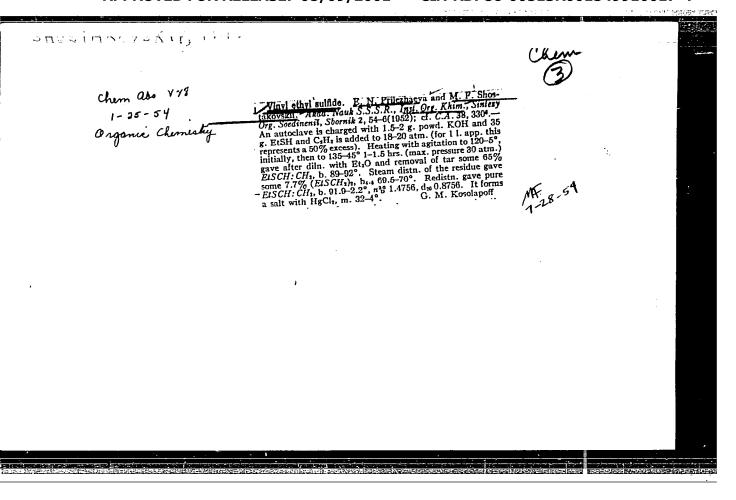
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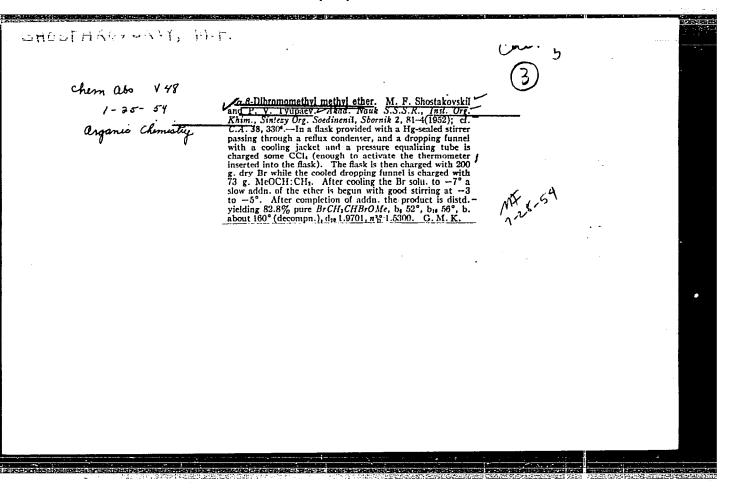
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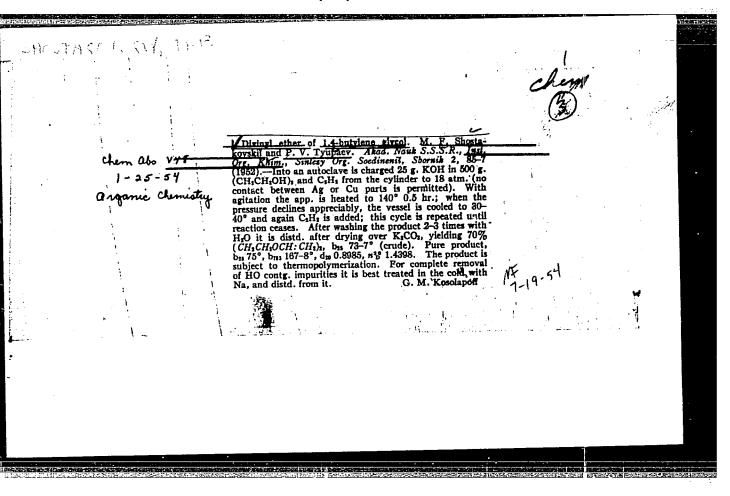
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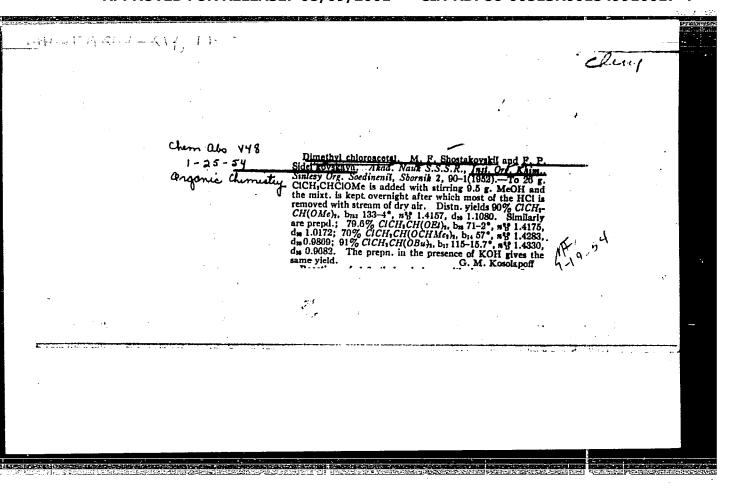


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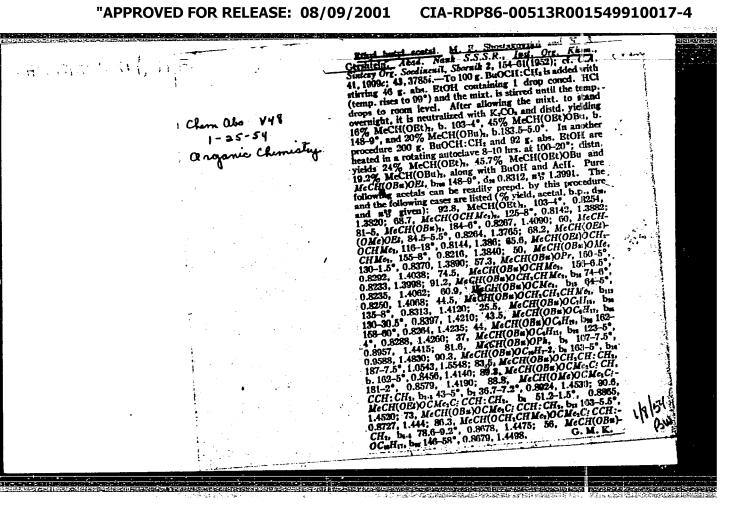


SHOSTAKOISKIY, M. F.	Chem	
<u>;</u>	3	
chem also VYT	(3)	
1-25-54	Trimer of thioacetaldehyde (β-form) (β-1,3,5-trimethyl-2,4,6-trithlane). M. F. Silbstakovskij, E. N. Prijezhaeva, and E. S. Shapiros, the Month of the North Prijezhaeva,	
Organic Chemist	Khim Sintery Der Santian Wall S.S.S.R., Inst. Org.	
	BuCH: CH ₁ (15 g.) cooled to -10° is satd. over 1 hr. with dry HCl to form McCHClOBu, and the product is directly treated at -10 to -15° with H ₂ S (thoroughly dry) for 1 hr., after which H.S is the state of the	
	until no more absorption takes it passed in at room temp.	
-	and a glass litter, yielding 83-8% Me-	,
	CH.S.CH.Me.S. CH.Me.S., m. 125-6° (from EtOH). Other alkyl vinyl ethers can be used similarly. G. M. K.	
	24-54	
	1-2.	
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uranen eraina erain		

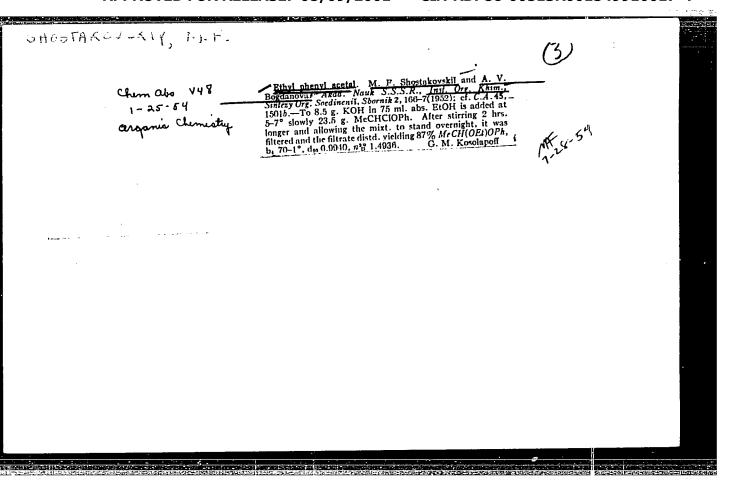
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SHOETH KO / Z / LY, PA-F.			
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Chem als V48 / 2-Chlor	rovinyl butyl ether. M. F. Shostakovskii and dei Kovskiya. Akad. Nauk S.S.S.R., Inst. Org		
argonie Chemiatry 130 g. E. filtration	thyPh at 70-80° 35 hrs. with stirring, followed by the pht. with a of the amine-HCl (85 g.), washing the ppt. with a distr. of the combined filtrates gave 66% CICH:		
	bi, 48-50°, dis 0.9883, ng 1.4425. 1: 35% CICH: CHOE1, bi, 47.5-8.5°, dis 1.0386, bi, 47.5-8.5°, dis 1.0386, clcH: CHOCHMe2, bis 44.5-5.7°, sast, and 25% CICH: CHOCHMe2, bis 44.5-5.7°, sast, and 25% CICH: CHOCHMe2, G. M. K. and acetals: CICH: CH(OR).	MF 28-54	
are form	ice account of	1	
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Chem also Y47

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Organie Chemielly

148, 1036.—To 161 g. HOCH-Ch. (Cl. mp. rises to 30°); after 1021. or 1.4210. McHi(Ch), by 71.9-2.0°, by 23-3-38°, dp. 1.0101, #\$

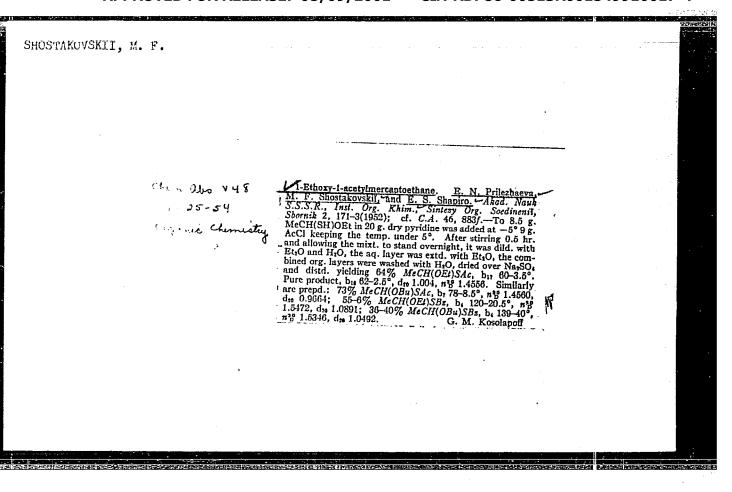
14210. McHi(Ch), ch. 71.9-2.0°, by 23-3-38°, dp. 1.0101, #\$

14210. McHi(Oth), and McHi(Oth-Chi, by 71.9-2.0°, by 23-3-38°, dp. 1.0101, #\$

14210. McHi(Oth), and McHi(Oth-Chi, by 10.000.)

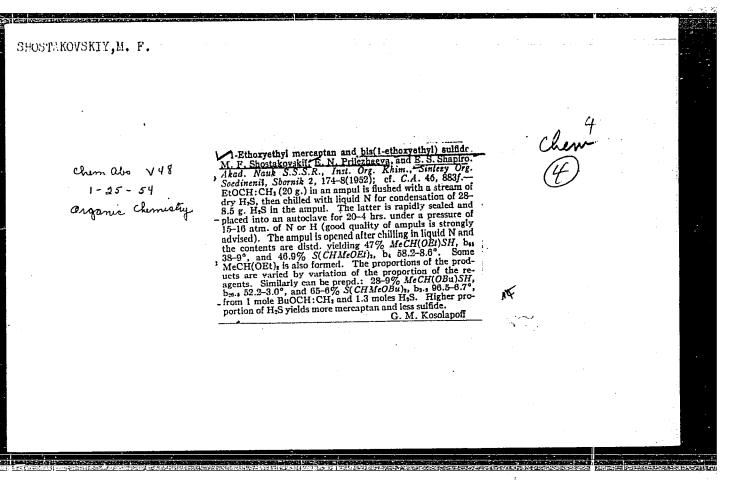
14210. McHi(Oth-Chi, ch. for 1.010.)

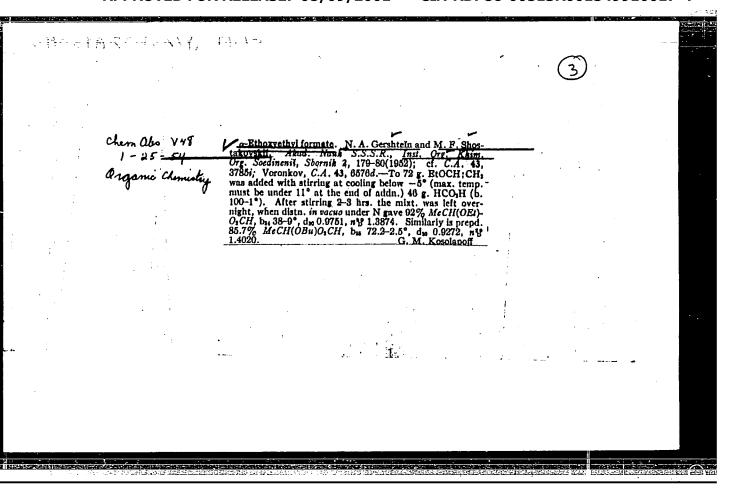
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SHOSTAKOVSKIY, M. F., GERSHTEYN, N. A.,

Acylals

Synthesis and properties of unsaturated-alkoxyethylidene esters of carboxylic acids (acylals). Izv.AN SSSR Otd. khim. nauk No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress,

November, 1952. UNCLASSIFIED.

SHOSTAKOVSKIY, M. F.

USSR/Chemistry - Organic Sulfur Compounds

May/Jun 52

"Synthesis of Sulfur Compounds on the Basis of Simple Vinyl Ethers. Part 5. Some New Representatives of the & , & - and & & Dialkoxydiethylsulfides," Ye. N. Frilezhayeva, E. S. Shapiro, M. F. Shostakovskiy, Inst of Org Chem, Acad Sci USSR

"Iz Ak Nauk, Otdel Khim Nauk" No 3, pp 478-483

Addn of H_2S to vinyl isobutyl and vinyl isoamyl ethers in presence of HCl in dioxane forms mixts of cx, β - and β , β -dialkoxyethylsulfides. Some chem conversions of new homologues of the dialkoxydiethylsulfide and of the β , β -dialkoxydiethylmercaptal series were studied.

PA 220T11

"APPROVED FOR RELEASE: 08/09/2001 CIA-

CIA-RDP86-00513R001549910017-4

USSR/Chemistry - Vinyl Ethers May/Jun 52

"Synthesis of Vinyl Ethers of Higher Fatty
Alcohols," M.F. Shostakovskiy, B.I. Mikhant'yev,
V.A. Neterman, Inst of Org Chem, Acad Sci USSR

"Iz Ak Nauk, Otdel Khim Nauk" No 3, pp 484-488

Studied vinylization of fatty alcs C6 to C10. Obtained vinyl ethers C8 to C12 in yields of 80.4

to 89.2% of the theoretical yield. Gives the phys characteristics of the synthesized vinyl ethers.

USER/Chemistry - High-Molecular Con- pounds "Synthesis and Polymerization of Vinylcaprolactam," M. F. Shostakovskiy, N. A. Medzykhovskiy, M. G. Zelenskay, Inst of Org Chem, Aced Sci USSR "Iz Ak Nauk SSSR, Otdel Knim Nauk" No 4, pp 682-689 Parallel to investigations on vinylpyrollidone, authors carried out work on vinylpyrollidone, authors carried out work on vinylpyrollidone, and its polymers, because this product is made from industrial raw material that is more easily accensible in the USSR. Found conditions under the vinylation of t-ceprolactam (II) with acetylene, used as a catalyst "K salt of II, i.e., product is eatalyted. Tystallizes readily in the Unstruction of rotassium metally in the Interaction of rotassium metally salt of f-aminosaproic acid. Polymerization of I with Os. This product product of reaction of I with Os. This product may serve as peroxidic initiator of polymerization of heat does not take place. 229717

		- 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
SHOSTAKOVSKIY, M. F.		J. 50.2.
USSR/Chemistry - High-Wolecular Jul/Aug 52 Compounds "Synthesis and Transformations of Vinylcaprolactam. I. Polymerization in the Presence of Hydrogen Peroxide," M.F. Shostakovskiy, F. P. Sidel'kovskaya, M.G. Zelenskaya, Inst of Org Chem, Acad Sci USSR "Iz Ak Nauk SSSR, Otdel Khim Nauk" No 4, pp 690-695 Using undild acetylene (authors state that this is the procedure customary in the USSR as distinguished from foreign practice), the authors tinguished from foreign practice), the authors vinylated caprolactam. They found that the Na salt for the vinylation. They state that it is safer to use Na salt than K salt. They investigated polymerization of vinylcaprolactam in the presence of H2O2 at temps in the range 100-1500 and found that with ligher temps the rate of polymerization increases, while the quantity of catalyst that is needed drops.	229718	

- 1. SHOSTAKOVSKIY, M. F.; MIKHANT'YEV, B. I.; OVCHINNIKOVA, N. N.
- 2. USSR (600)
- 4. Vinylation
- 7. Indirect vinylation of aliphatic alchols. Izv. AN SSSR. Otd. khim. nauk. No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

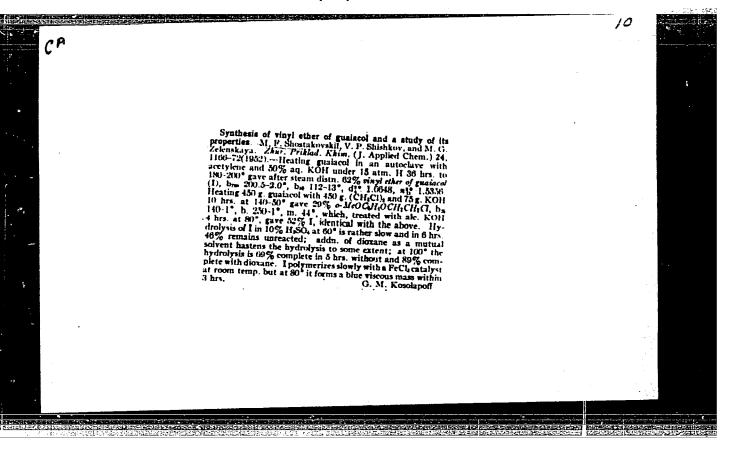
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٦.	THE STANGESHIY.	, .	F	0.00011.	/A.	A.	√ .

2. 33R (600)

4. Acetals

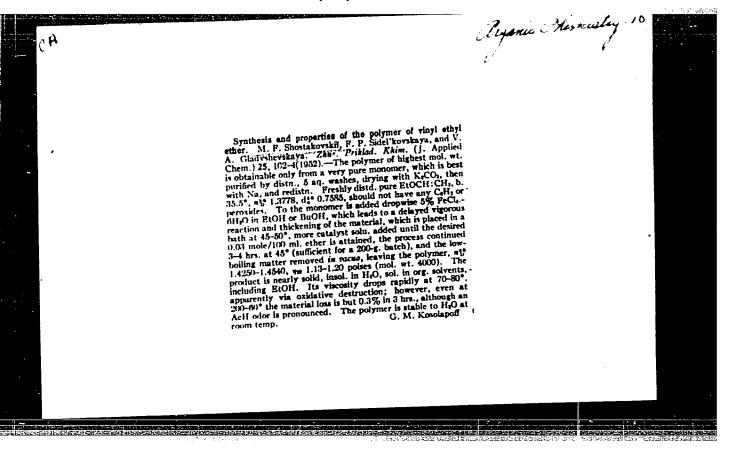
7. Investigation of acetylenic alcohols and glycols. Part 2. Synthesis of mono- and diacetals of tetramethylbutynediol. Izv. All 333R Ctd. Edin. nauk no.0 1952

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.



"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910017-4



SHOSTAKOVSKIY, M.F.; ZELENSKAYA, M.G.

Properties and transformations of vinyl gualacyl ether. Zhur. Priklad.

Khim. 25, 1221-5 '52.

(GA 47 no.17:8678 '53)

SHOSTAHOVSKIY, M. F.

Ethylvinyl Ether; Polymers and Polymerization

Polymer of ethylvinyl ether, synthesis and properties. Zhur. prikl. khim. 25, No. 1, 1952 Laboratoriya Vinilovykh Sovidineniy Instituta Organicheskoy Shimii AN SSSR

So: Monthly List of Russian Accessions, Library of Congress, August 1952 1953, Uncl.

SHOULHADY SALY,

SHOSTAKOVSKY, M. F.

USSR/Chemistry - Vinyl Ethers, Catalysts

Aug 52

F. G. Golodov, Inst of Org Chem, Acad Sci USSR and D. V. Sokolsky, M. F. Shostakovsky, B. I. Mikhantev, "The Catalytic Hydrogenation of Vinyl Ethers," Kazakh SSKU

"Zhur Prik Khim" Vol 25, No 8, pp 867-875

and Pd/CaCO3 catalysts. temp and aq solns, and in the presence of nickel can be hydrogenated quantitatively by using a low close to zero requires little time. With the 2d Vinyl ethyl, vinyl isopropyl and vinyl butyl ethers Hydrogenation at temps

228111

catalyst was measured during the course of the reaction and a special jacketed vessel made of Mo Ni, and for vinyl isopropyl ether the best catalyst is Pd/CaCO3. Doth catalysts are suitable for the analysis of vinyl butyl ether, the best catalyst is hydrogenation of vinyl ethyl ether. The emf at the

ened from 3 hrs to 20-30 min. For H-volumetric

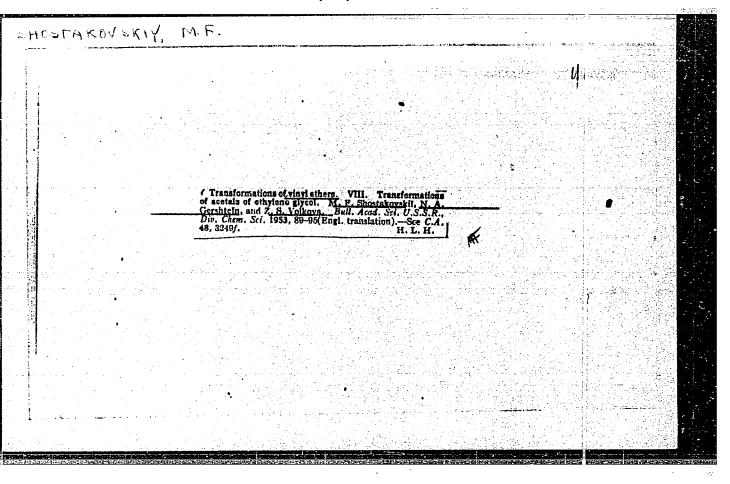
increases, and the rate of hydrogenation is shortbatch of vinyl ether, the activity of the catalyst

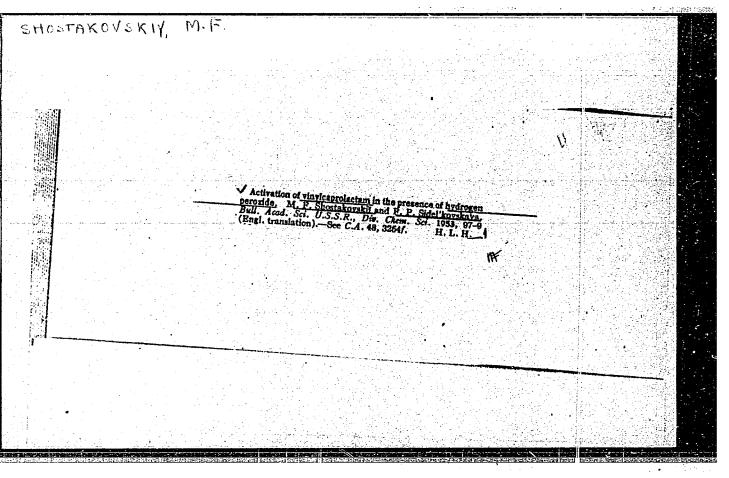
SHOSTAKOVSKIY, M.F.; BANKVITSER, A.L., redaktor.

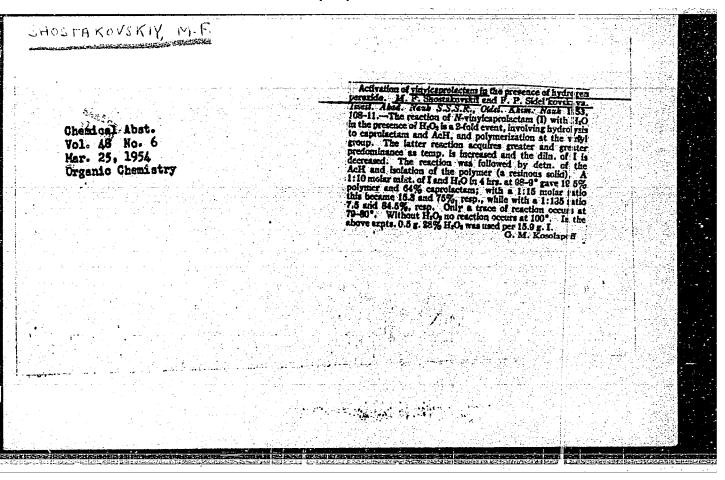
[Academician Aleksei Evgrafovich Favorskii] Akademik Aleksei Evgrafovich Favorskii. Moskva, Gos. nauchno-tekhn. izd-vo khim. lit-ry.

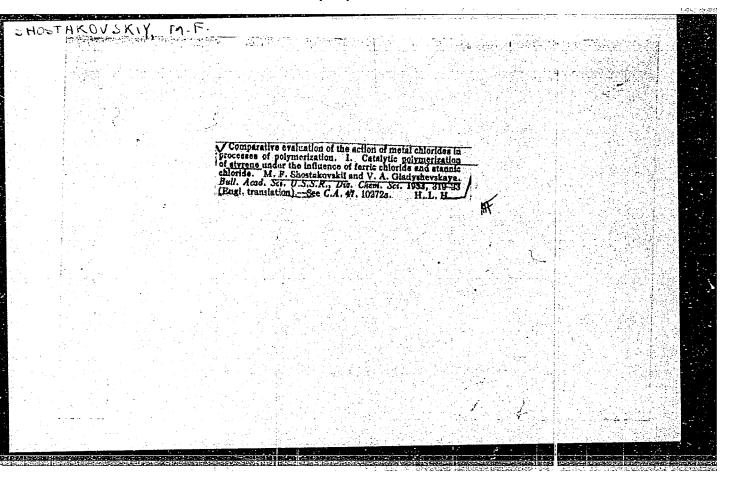
1953. 157 p.

(MLRA 7:4) (Favorskii, Aleksei Evgrafovich, 1860-1945)









SHOSTAKOVSKIY, M.F.

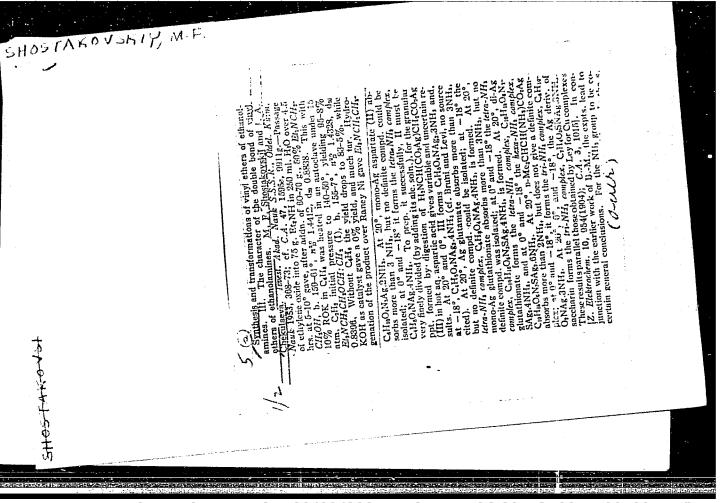
Synthesis of one are compounds on the basis of vinyl ethers and activious. VI. Reaction of meriaptans with vinyl ethers. M. F. Shostakovskii, E. N. Prilezhaeva, and E. S. Shanto, Teest, Asod. Mank S.S. S.R., 1937. Khim. Nank 1953, 357-67; cf. C.1. 47, 4810g.—1ato 3.9 g. EtsH and 7.2 g. EtoCH: CH, at =20° was briefly passed a current of SO, the mist, stirred 2 brs. at room temp., and left overnight; distin. gave 81.7% McCH(OEt)SE, bacht overnight; distin. gave 81.7% McCH(OEt)SE, bacht overnight; distin. gave 81.7% JacH(Det)SE, bacht overnight.

CH in the presence of little SO₂ after 20 hrs. in a scaled tube at room temp, gave \$6.5% MeCH(OBu)SEt, b. 56-7°, n³9 1.4301, day 0.8855. At room temp, the reaction of EtSH with EtOCH; CH, catalyzed by O is not complete, even in 2 months; heating some 60 hrs. at 60-5° gave 9.5% EtSCH₂CH₂ORt (I), by 78-8.5°, n³9 1.4507, day 0.9126; the catalytic amts. of dissolved O were merely the traces left in the starting materials after vacuum distris. With alc. HgCl, the product forms a viscous unknown mass. Oxidation of I with H₂O₁ in AcOH gave 50.7% suifoxide (C₄H₄OS), b₅ 112.2-13.5°, n³9 1.4696, d₅₅ 1.0354. Similar reaction of BuOCH; CH, with EtSH was even slower and gave the max, yield (96.8%) of BuOCH; CH₂CH₂D₃ b₅ 15-6°, n³9 1.4520, d₅ 0.8879, after 35 hrs. at 60°. With H₂O₁ in AcOH it gave the suifoxide, b₁ 112-12.5°, b₁ 147.2-17.4°, n³9 1.1664, d₉0.9955. BuOCH; CH₁ and BuOCH; CH₂SH under similar reaction conditions heated 60 hrs. to 60-5° in a period of 7 days gave 93.9% (BuOCH; CH₂)S, b₄, 130-1.0°, n³9 1.4500, d₉ not cited. EtOCi; CH₂ and BtSH react more rapidly in ordinar; dosed flast with atta. O and in 0 days give 94.9%; addin, r contact with atta. O and in 0 days give 94.9%; addin, r contact with atta. O and in 0 days give 94.9%; addin, r contact with atta. O and in 0 days give 94.9%; addin, r contact with atta. O and in 0 days give 94.9%; addin, r contact with atta. O and in 0 days give 94.9%; addin, r contact with atta. O and in 0 days give 94.9%; addin, r contact with atta. O and in 0 days give 94.9%; addin, r contact with atta. O and in 0 days give 94.9%; addin, r contact with atta. O and in 0 days give 94.9%; addin, r contact with atta. O and in 0 days give 94.9%; addin, r contact with atta.

tarded. Completely peroxide-tree storting material cave a mixt, of reaction products contg, some 97.5% EtSCI 2CH2-OEt and only 2.5% McCH(OEt)SEt; if the other contains peroxides from air contact, the reaction product is baninly (65.5%) the latter product, and only 34.5% of the ormer product is formed. Under conditions of free air corsa, EtOCH:CH2 and McCH(OEt)SH yield only 1.cCH-(SCH:CH20E)OEt, by4 65-S², n²g 1.4505. BnOCH:CH3 adds quite less rapidly than the Et analog and after 8 hrs. at 50° or 12 hrs. at 100° yields 87-0% adda, product swith EtSH. At room temp, the product is mainly Bu)CH3-CH-SIE with some 13% McCH(OBu)SEt. At el vated temp, the main product (50-62%) is the latter subcame, while the former substance is the lesser constituen (37-40%). Pare McCH(OBu)SEt, by 50.1-6.2°, n°g 1.4476, dw 0.8897; pure BuOCH:CH3-St, by4, 67.8-8.2°, n°g 1.4521, dw 0.8981. Keeping BuOCH:CH4 with Bu)CH3-CH3-SI 20 days at room temp, gave 85.7% mixed (Bw) CH3-CH3-SI 20 days at room temp, gave 85.7% mixed (Bw) CH3-CH3-Si and McCH(OBu)SCH3-CH-OBu, by 118-21°, ontg. 34.5% of the latter. Similarly BuOCH:CH4 and A eCH4-(OBu)SH after 7 days gave 60% mixed McCH(DBu)SCH3-CH3-OBu and McCH(OBu)JS, by 102-6°, ontg. 90.4% of the latener. A mixt, of 30 g. BuOCH:CH; and 0.3 g. AcSH after 2 days gave 90.7% AcSCH3CHOBu, by184-4.1°, n°g 1.4605, dw 0.9805. G. M. Kosola off

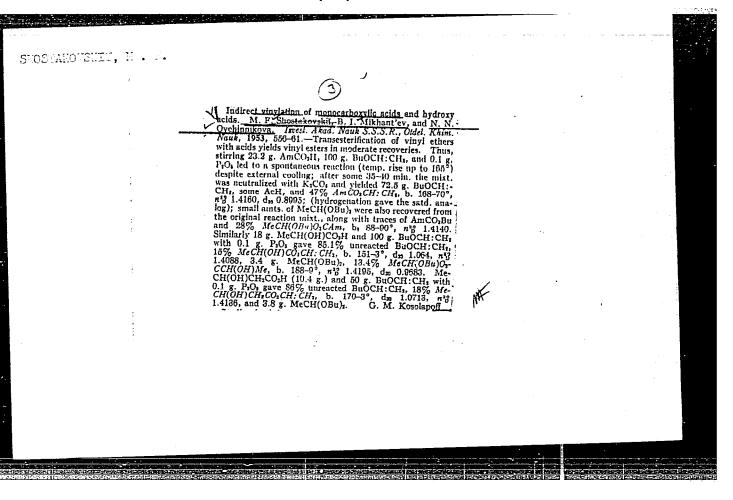
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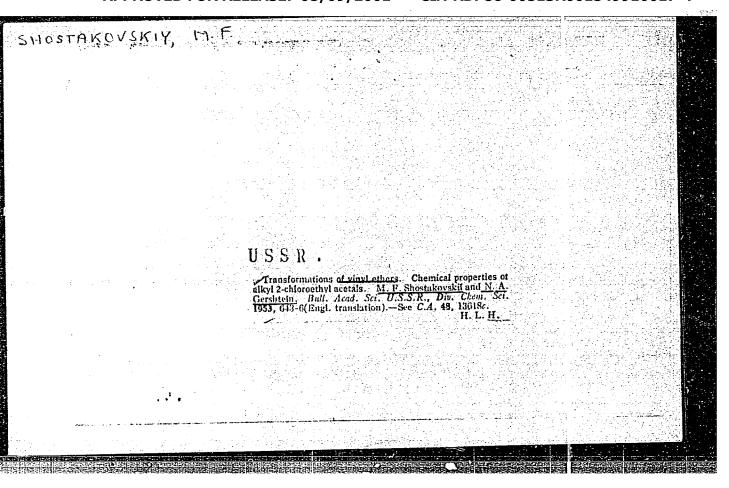
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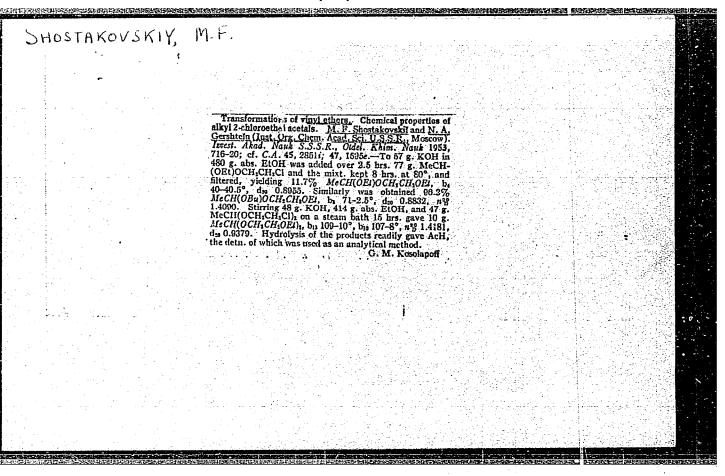


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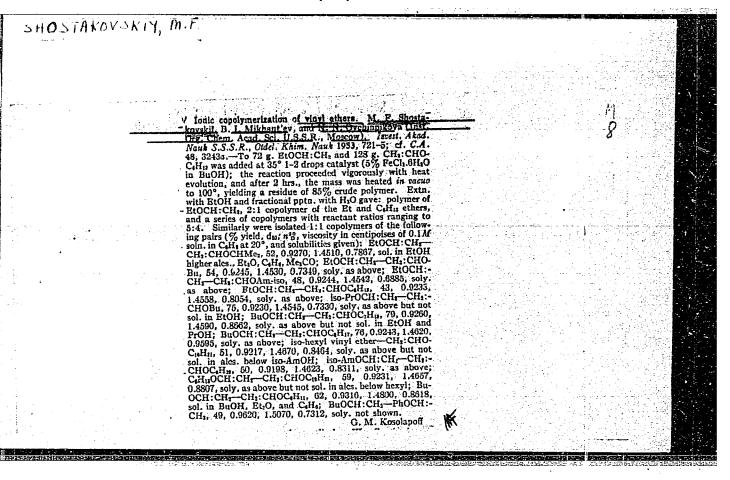


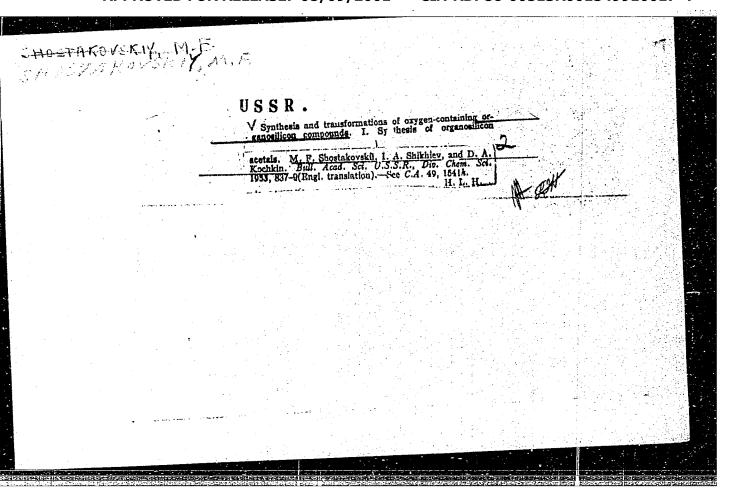


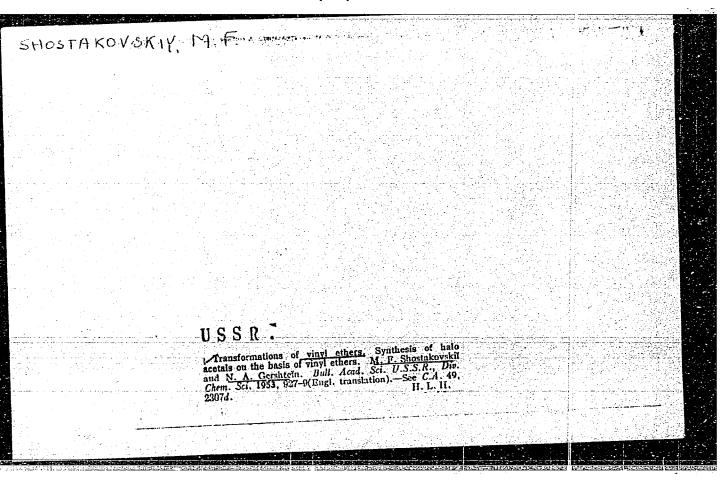


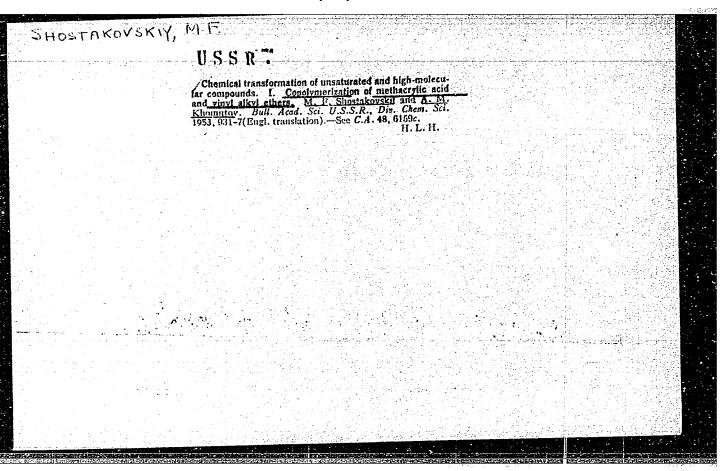
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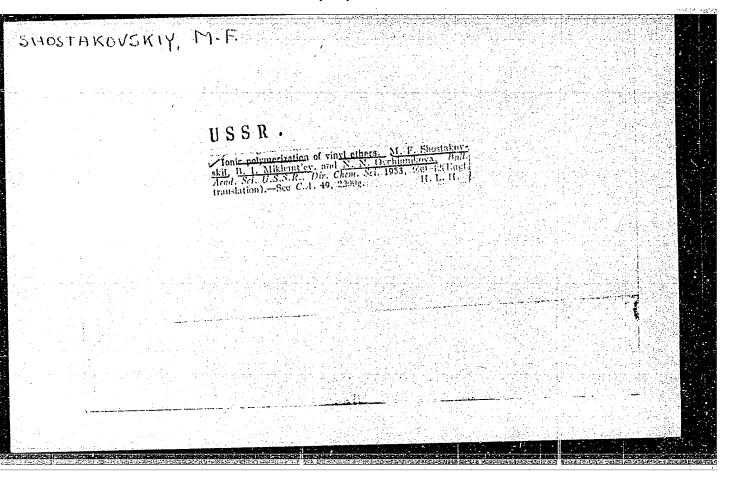
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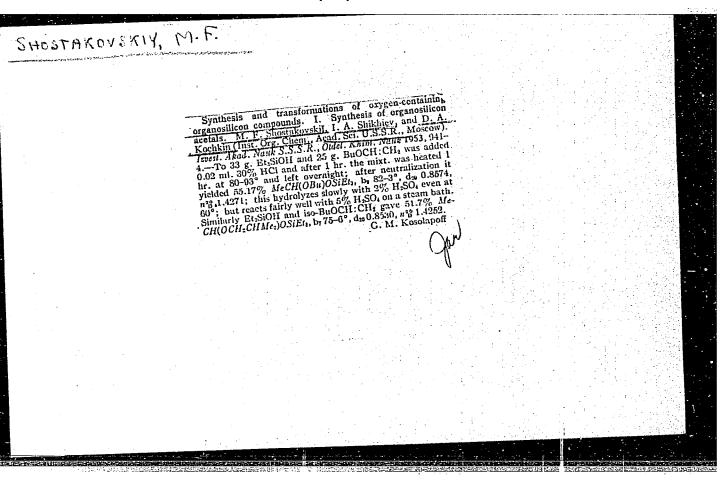


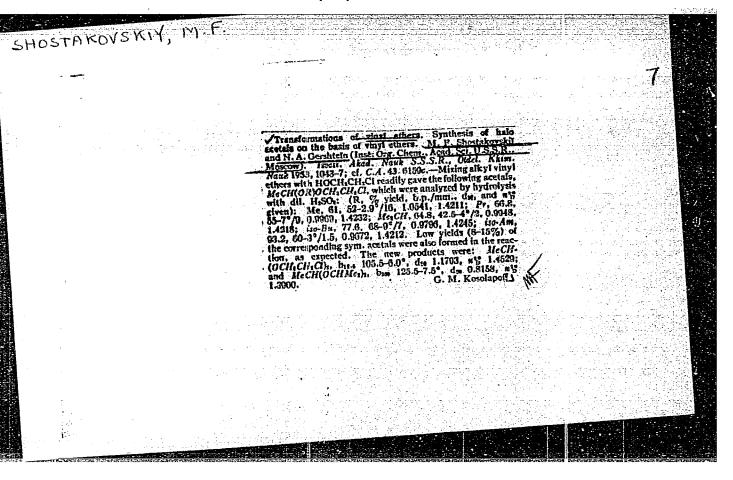












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